

# ABSTRACT

The invention relates to a sensor (S) for measuring a liquid viscosity consisting of at least one piezo-electrical element (1) preferably embodied in the form of a resonator and at least one first exciting electrode (7) and a second exciting electrode (3), wherein preferably at least the first exciting electrode (7) is arranged on the sensitive surface (8) of the sensor (S) and, in order to reduce measuring time at predefined temperatures, said sensor is provided with a heating electrode (2) for heating a measurable liquid.